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COMPLETE LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-6 (canceled)

7. (withdrawn) A laminate produced in accordance with the process of claim 1.

Claims 8-9 (canceled)

10. (withdrawn) A thermal solution comprising a plurality of flexible graphite sheets laminated into a unitary article, wherein the thermal anisotropic ratio of the article is at least about 70.

11. (withdrawn) The thermal solution of claim 10 wherein the thermal anisotropic ratio of the article is at least about 160.

12. (withdrawn) The thermal solution of claim 10 wherein the laminate is formed by laminating flexible sheets of compressed particles of exfoliated graphite with a suitable adhesive.

13. (withdrawn) The thermal solution of claim 12 wherein the adhesive comprises a pressure sensitive or thermally activated adhesive.

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14. (withdrawn) The thermal solution of claim 10 which comprises a heat sink.

15. (withdrawn) The thermal solution of claim 10 which comprises a heat spreader.

16-23 (canceled)

24. (currently amended) A process of producing a graphite article comprising forming a plurality of graphite sheets into a laminate and applying a sufficient amount of pressure to said laminate to directionally align at least one graphene layer of said laminate, to produce a graphite article having in-plane thermal conductivity of at least about 450 W/m°C and a thermal anisotropic ratio of at least about 160.

25. (previously presented) The process according to claim 24 wherein an initial density of said laminate prior to said applying pressure comprises 1.1 g/cc to 1.35 g/cc and a final density of said laminate comprises more than about 1.4 g/cc.

26. (previously presented) The process according to claim 24 wherein said applying pressure comprises calendering said laminate.

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27. (previously presented) The process according to claim 24 wherein said applying pressure comprises pressing said laminate.

28. (previously presented) The process according to claim 24 wherein said sufficient amount of pressure comprises at least 60 MPa.

29. (canceled)

30. (newly added) A process of producing a graphite article comprising forming a plurality of graphite sheets into a laminate and applying a sufficient amount of pressure to said laminate to directionally align at least one graphene layer of said laminate, to produce a graphite article having a through-plane thermal conductivity of at least about 2 W/m°C and a thermal anisotropic ratio of at least about 160.

31. (newly added) The process according to claim 30 wherein an initial density of said laminate prior to said applying pressure comprises 1.1 g/cc to 1.35 g/cc and a final density of said laminate comprises more than about 1.4 g/cc.

32. (newly added) The process according to claim 30 wherein said applying pressure comprises calendering said laminate.

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33. (newly added) The process according to claim 30 wherein said applying pressure comprises pressing said laminate.

34. (newly added) The process according to claim 30 wherein said sufficient amount of pressure comprises at least 60 MPa.